**Sterile Neutrino Working Group**

Draft Bullet Summary Points

February 1, 2015

1) Anomalies observed in neutrino experiments provide persistent hints at physics beyond the Standard Model three-neutrino paradigm. The P5 Planning Report recommends testing these anomalies with a targeted set of short-term, small-scale experiments.

2) Emphasis should be placed on direct tests of the existing $\nu_e$ appearance, reactor, and source anomalies. A direct test should be capable of resolving an anomaly regardless of whether its source is new physics or unforeseen theory or experimental systematic error.

3) Experiments that can demonstrate an unambiguous oscillometric signature across the current suggested region are needed.

4) Experiments designed to test both the $\nu_\mu$ to $\nu_e$ appearance and $\nu_e$ disappearance channels are needed.

5) We must ensure that any pion decay beam program has optimized $\nu_\mu$ disappearance sensitivity at short baseline.

6) The US program should focus its resources on efforts with the best near-term prospects for discovery in the existing context of technological readiness, international competition, and budget realities.